

HISTORIC PROPERTY INVENTORY FORM

IDENTIFICATION SECTION

Field Site No. 1171 OAHP No. _____ Date Recorded 10 December 1998
Site Name Historic Main Shop Building
Common Transportation Maintenance Shop
Field Recorder Holly K. Chamberlain
Owner's Name U.S. Department of Energy, Richland Operations Office
Address P.O. Box 550
City/State/Zip Code Richland, WA 99352 Hanford Photo Lab Neg #2579; 2642; 2579; 3741

Status

- ☒ Survey/Inventory
☐ National Register
☐ State Register
☐ Determined Eligible
☐ Determined Not Eligible
☐ Other (HABS, HAER, NHL)
☐ Local Designation

Photography

HCRL Roll 318, Frames 3, 7, 11, 15, 23
Photography Neg. No. HCRL Roll 319, Frame 20
(Roll No. & Frame No.) HCRL Roll 380, Frames 17, 19-21, 23, 24, 26-31
View of Exterior and interior facades
Date 1954; 1956; 10 Nov 1997; 3 Feb 1998

Photo at right: HCRL Roll 380, Frame 21
View of north and west elevations

Classification ☐ District ☐ Site ☒ Building ☐ Structure ☐ Object
District Status ☒ NR ☐ SR ☐ LR ☐ INV
Contributing ☒ Non-Contributing ☐
District/Thematic Nomination Name Hanford Site Manhattan Project and Cold War Historic District

Description Section

Materials & Features/Structural Types

Building Type Industry
Plan Irregular
Structural System Steel Frame
No. of Stories One

Roof Type

☐ Gable ☐ Hip
☒ Flat ☐ Pyramidal
☐ Monitor ☐ Other (specify) _____
☐ Gambrel
☐ Shed

Cladding (Exterior Wall Surfaces)

- ☐ Log
☐ Horizontal Wood Siding
Rustic/Drop ☐
Clapboard ☐
☐ Wood Shingle
☐ Board and Batten
☐ Vertical Board
☐ Asbestos/Asphalt
☐ Brick
☐ Stone
☐ Stucco
☐ Terra Cotta
☒ Concrete/Concrete Block
☐ Vinyl/Aluminum Siding
☐ Metal (specify) _____
☐ Other (specify) _____

Roof Material

☐ Wood Shingle
☐ Wood Shake
☐ Composition
☐ Slate
☐ Tar/Built-up
☐ Tile
☐ Metal (specify) _____
☒ Other (specify) Outer foam layer
☐ Not visible

Foundation

☐ Log ☐ Concrete
☐ Post & Pier ☐ Block
☐ Stone ☒ Poured
☐ Brick ☐ Other (specify) _____
☐ Not visible

Integrity

(Include detailed description in
Description of Physical Appearance)

	Intact	Slight	Moderate	Extensive
Changes to plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to original cladding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to interior	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State of Washington, Department of Community Development
Office of Archaeology and Historic Preservation
111 21st Avenue Southwest, Post Office Box 48343
Olympia, Washington 98504-8343 (206)753-4011

LOCATION SECTION

Address 1171 Building, 1100 Area
City/Town/County/Zip Code Richland/Benton County/99352
Twp 10 N Range 28 E Section 27 I/4 Section NE 1/4 1/4 Sec _____
Tax No./Parcel No. _____ Acreage _____
Quadrangle or map name Richland, Washington, 7.5 minute series
UTM References Zone 11 Easting _____ Northing _____
Plat/Block/Lot _____
Supplemental Map(s) _____



High Styles/Forms (Check one or more of the following)

- | | |
|---|---|
| <input type="checkbox"/> Greek Revival | <input type="checkbox"/> Spanish Colonial Revival/Mediterranean |
| <input type="checkbox"/> Gothic Revival | <input type="checkbox"/> Tudor Revival |
| <input type="checkbox"/> Italianate | <input type="checkbox"/> Craftsman/Arts & Crafts |
| <input type="checkbox"/> Second Empire | <input type="checkbox"/> Bungalow |
| <input type="checkbox"/> Romanesque Revival | <input type="checkbox"/> Prairie Style |
| <input type="checkbox"/> Stick Style | <input type="checkbox"/> Art Deco/Art Moderne |
| <input type="checkbox"/> Queen Anne | <input type="checkbox"/> Rustic Style |
| <input type="checkbox"/> Shingle Style | <input type="checkbox"/> International Style |
| <input type="checkbox"/> Colonial Revival | <input type="checkbox"/> Northwest Style |
| <input type="checkbox"/> Beaux Arts/Neoclassical | <input type="checkbox"/> Commercial Vernacular |
| <input type="checkbox"/> Chicago/Commercial Style | <input type="checkbox"/> Residential Vernacular (see below) |
| <input type="checkbox"/> American Foursquare | <input checked="" type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Mission Revival | <u>Industrial Vernacular</u> |

Vernacular House Types

- | | |
|---|--|
| <input type="checkbox"/> Gable Front | <input type="checkbox"/> Cross Gable |
| <input type="checkbox"/> Gable Front and Wing | <input type="checkbox"/> Pyramidal/Hipped |
| <input type="checkbox"/> Side Gable | <input type="checkbox"/> Other (specify) _____ |

NARRATIVE SECTION

Study Unit Themes (check one or more of the following)

☐ Agriculture
☐ Architecture/Landscape Architecture
☐ Arts
☐ Commerce
☐ Communications
☐ Community Planning/Development

☐ Conservation
☐ Education
☐ Entertainment/Recreation
☐ Ethnic Heritage (specify) _____
☐ Health/Medicine
☐ Manufacturing/Industry
☐ Military

☐ Politics/Government/Law
☐ Religion
☐ Science & Engineering
☐ Social Movements/Organizations
☐ Transportation
☒ Other (specify) Cold War Era
☒ **Study Unit Sub-Theme(s)** General Site, Facilities Support (Crafts, Maintenance, Infrastructure)

Statement of Significance

Date of Construction 1954 Architect/Engineer/Builder General Electric Company, builder ; Hertel, Johnson, Eipper, Stopa & Culver Architects and Engineers; Sound Engineering and Construction Company
☒ In the opinion of the surveyor, this property appears to meet the criteria of the National Register of Historic Places.
☒ In the opinion of the surveyor, this property is located in a potential historic district (National and/or local).

The 1171 Main Shop Building was completed in 1954, as part of the Consolidated Transportation Facility designed to bring the major Hanford Site transportation and maintenance facilities into the new 1100 Area. Previous maintenance facilities located at Riverland Yard (rail), 200 West (automotive vehicles), and in Richland near the present-day site of Chief Joseph Middle School (vehicles) were insufficient and/or deteriorated, and not well placed for modern needs. Consolidation in new buildings solved all three problems. Plans to develop a non-residential 1100 Area for integrated maintenance purposes north of the city of Richland began as early as 1947, when drawings were prepared by Hanford site staff to illustrate the proposed concept of a central shop in conjunction with a southern railroad connection. A railroad classification yard designed by J. Gordon Turnbull Inc. and Graham, Anderson, Probst, and White Inc. in 1948 and completed by 1950 included locations for a "locomotive shop," which became the Main Shop facility (1171 Building) and a warehouse (1167 Building). Thus, the railroad was already in place when the Consolidated Transportation Facility, consisting of the 1171, 1170, 1167, and 1163 Buildings, was completed in 1953 and 1954 (Figures 1-3).
(Please see continuation sheet)

Description of Physical Appearance

Located in the 1100 Area, the 1171 Building is a steel-framed irregular building with a concrete foundation and precast concrete walls. The flat roof is covered with felt, pitch, and gravel over wood sheathing. Overall, the 1171 Building measures 343 feet by 483 feet and is 48 feet high. The office section located at the southeast corner of the facility (Figure 4) has a bank of steel sash windows running around the top portion of the entire section except for around the entrance locations on the central east side and at the northwest corner. A perimeter ring of administrative offices and meeting rooms are set around a U-shaped corridor. They surround a central section of offices, a copy room, and restrooms.

(Please see continuation sheet)

Major Bibliographic References

Cummings, R.J., Engineer/Lock and Tag Custodian, DynCorp Tri-Cities Services, Inc. 1997. Interview and site visit. Richland, Washington.

General Electric Company. 1953. *Monthly Report Hanford Atomic Products Operation for July, 1953*. HW-28906. Richland, Washington.

General Electric Company. 1953. *Monthly Report Hanford Atomic Products Operation for November, 1953*. HW-30130-Del. Richland, Washington.

General Electric Company. 1954. *Monthly Report Hanford Atomic Products Operation for January, 1954*. HW-30724-Del. Richland, Washington.

U.S. Atomic Energy Commission, Hanford Works, General Electric. 1953. Architectural Drawing of Main Shop Building, Number AEC-30A-960B.

U.S. Atomic Energy Commission/General Electric Study Group for the Economic Development of Richland. 1964. *Catalog of Hanford Buildings and Facilities Miscellaneous*. GEH-26434-400. Richland, Washington.

U.S. Department of Energy. 1997. *National Register of Historic Places Multiple Property Documentation Form - Historic, Archaeological and Traditional Cultural Properties of the Hanford Site, Washington*. DOE/RL-97-02 Revision O. Richland, Washington.